

09/913107

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- 1 -
SEQUENCE LISTING

<110> PIERRE FABRE MEDICAMENT

<120> USE OF AN ENTEROBACTERIUM OmpA PROTEIN
ASSOCIATED WITH THE ELAGIGILTV PEPTIDE, FOR
TREATING MELANOMAS.

<130> D18441

<150> FR 99 01917

<151> 1999-02-17

<160> 4

<170> PatentIn Ver. 2.1

<210> 1

<211> 1035

<212> ADN

<213> Klebsiella pneumoniae

<220>

<221> exon

<222> (1)..(1032)

<220>

<221> intron

<222> (1033)..(1035)

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<221> CDS

<222> (1)..(1032)

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tat gca ggt ggt aaa ctg ggt tgg tcc cag tat cac gac acc ggt ttc 96
Tyr Ala Gly Gly Lys Leu Gly Trp Ser Gln Tyr His Asp Thr Gly Phe
20 25 30

tac ggt aac ggt ttc cag aac aac ggt ccg acc cgt aac gat cag 144
Tyr Gly Asn Gly Phe Gln Asn Asn Gly Pro Thr Arg Asn Asp Gln
35 40 45

ctt ggt gct ggt gcg ttc ggt ggt tac cag gtt aac ccg tac ctc ggt 192
Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
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ttc gaa atg ggt tat gac tgg ctg ggc cgt atg gca tat aaa ggc agc 240
Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
65 70 75 80

gtt gac aac ggt gct ttc aaa gct cag ggc gtt cag ctg acc gct aaa 288
Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
85 90 95

ctg ggt tac ccg atc act gac gat ctg gac atc tac acc cgt ctg ggc 336
Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly

100

105

110

ggc atg gtt tgg cgc gct gac tcc aaa ggc aac tac gct tct acc ggc Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly	384
115 120 125	
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130 135 140	
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145 150 155 160	
cag tgg gtt aac aac atc ggc gac gcg ggc act gtg ggt acc cgt cct Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro	528
165 170 175	
gat aac ggc atg ctg agc ctg ggc gtt tcc tac cgc ttc ggt cag gaa Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu	576
180 185 190	
gat gct gca ccg gtt gct ccg gct ccg gct ccg gct ccg gaa gtg Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Glu Val	624
195 200 205	
gct acc aag cac ttc acc ctg aag tct gac gtt ctg ttc aac ttc aac Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn	672
210 215 220	
aaa gct acc ctg aaa ccg gaa ggt cag cag gct ctg gat cag ctg tac Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr	720
225 230 235 240	
act cag ctg agc aac atg gat ccg aaa gac ggt tcc gct gtt gtt ctg Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu	768
245 250 255	
ggc tac acc gac cgc atc ggt tcc gaa gct tac aac cag cag ctg tct Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser	816
260 265 270	
gag aaa cgt gct cag tcc gtt gac tac ctg gtt gct aaa ggc atc Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile	864
275 280 285	
ccg gct ggc aaa atc tcc gct cgc ggc atg ggt gaa tcc aac ccg gtt Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val	912
290 295 300	
act ggc aac acc tgt gac aac gtg aaa gct cgc gct gcc ctg atc gat Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp	960
305 310 315 320	
tgc ctg gct ccg gat cgt cgt gta gag atc gaa gtt aaa ggc tac aaa Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys	1008
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<210> 2
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<212> PRT
<213> Klebsiella pneumoniae

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35 40 45
Leu Gly Ala Gly Ala Phe Gly Gly Tyr Gln Val Asn Pro Tyr Leu Gly
50 55 60
Phe Glu Met Gly Tyr Asp Trp Leu Gly Arg Met Ala Tyr Lys Gly Ser
65 70 75 80
Val Asp Asn Gly Ala Phe Lys Ala Gln Gly Val Gln Leu Thr Ala Lys
85 90 95
Leu Gly Tyr Pro Ile Thr Asp Asp Leu Asp Ile Tyr Thr Arg Leu Gly
100 105 110
Gly Met Val Trp Arg Ala Asp Ser Lys Gly Asn Tyr Ala Ser Thr Gly
115 120 125
Val Ser Arg Ser Glu His Asp Thr Gly Val Ser Pro Val Phe Ala Gly
130 135 140
Gly Val Glu Trp Ala Val Thr Arg Asp Ile Ala Thr Arg Leu Glu Tyr
145 150 155 160
Gln Trp Val Asn Asn Ile Gly Asp Ala Gly Thr Val Gly Thr Arg Pro
165 170 175
Asp Asn Gly Met Leu Ser Leu Gly Val Ser Tyr Arg Phe Gly Gln Glu
180 185 190
Asp Ala Ala Pro Val Val Ala Pro Ala Pro Ala Pro Glu Val
195 200 205
Ala Thr Lys His Phe Thr Leu Lys Ser Asp Val Leu Phe Asn Phe Asn
210 215 220
Lys Ala Thr Leu Lys Pro Glu Gly Gln Gln Ala Leu Asp Gln Leu Tyr
225 230 235 240
Thr Gln Leu Ser Asn Met Asp Pro Lys Asp Gly Ser Ala Val Val Leu
245 250 255
Gly Tyr Thr Asp Arg Ile Gly Ser Glu Ala Tyr Asn Gln Gln Leu Ser
260 265 270
Glu Lys Arg Ala Gln Ser Val Val Asp Tyr Leu Val Ala Lys Gly Ile
275 280 285

Pro Ala Gly Lys Ile Ser Ala Arg Gly Met Gly Glu Ser Asn Pro Val
290 295 300

Thr Gly Asn Thr Cys Asp Asn Val Lys Ala Arg Ala Ala Leu Ile Asp
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Cys Leu Ala Pro Asp Arg Arg Val Glu Ile Glu Val Lys Gly Tyr Lys
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Glu Val Val Thr Gln Pro Ala Gly
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<210> 3

<211> 10

<212> PRT

<213> Homo sapiens

<220>

<223> Peptide derived from the Mart-1/MelanA antigen expressed by melanoma cells.

<400> 3

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<210> 4

<211> 8

<212> PRT

<213> Homo sapiens

<220>

<223> Derivative of tyrosine-related protein 2 (TRP-2).

<400> 4

Val Tyr Asp Phe Phe Val Trp Leu
1 5